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INFORMATION FROM  
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

50X1-HUM

COUNTRY USSR

DATE OF  
INFORMATION 1949

SUBJECT Economic; Technological - Electrical equipment

HOW  
PUBLISHED Monthly periodical

DATE DIST. 21 Mar 1950

WHERE  
PUBLISHED Moscow

NO. OF PAGES 3

DATE  
PUBLISHED Jul 1949

LANGUAGE Russian

SUPPLEMENT TO  
REPORT NO.

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SOURCE Promyshlennaya energetika, No 7, 1949

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NEW PRODUCTS OF USSR ELECTRICAL INDUSTRYSeries MA-200 Motors

The Kemerovo Electrical Machinery Plant of the Ministry of Electric Power Plants has begun output of Series MA-200 electric motors. These motors have short-circuit rotors and are greased through the head parts of the stator. The motors are intended for use in machine tools. Power ranges available include; 1,500 rpm (8.5-28 kilowatts); 1,000 rpm (6.5-20 kilowatts); and 750 rpm (4-16 kilowatts), in 220/380- and 500-volt models.

Series BAV Vertical Induction Motors

The Elektrosila Plant in Leningrad has begun the output of 6,000-volt BAV motors with short-circuit rotors. Types available include BAV-750-500 (550 kilowatts, 492 rpm); BAV-700-375 (520 kilowatts, 369 rpm); and BAV-500-750 (360 kilowatts, 740 rpm).

Series MP Crane and Metallurgical Engines

In 1949 the Dinamo Plant, Moscow, began the output of a new series MP direct-current crane and metallurgical engines. The engines come in sizes 1-4, ranging in capacity from 1.6 to 17 kilowatts with a 25-percent PV (relative switch-on time) in voltages of 220 and 440 volts. The 1.6- and 2.5-kilowatt models are both 220 volt.

The plant is planning to put out four new sizes (5-8) of this series in 1950.

Reversing Magneto Starters

The Mednogorsk Electrical Apparatus Plant has begun the output of reversing magneto starters with P-214 and P-314 heat shields. The starters are for use on 500-volt 5.5- and 18-kilowatt motors. The heating elements of the thermic relays carry up to 40 amperes.

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Series RSh Regulating Rheostats

The Elektrosila Plant has completed the design of a new excitation regulator which embodies all the advantages of the Rustrata-type regulator, as well as having hand-wheel brush control. The wheel may be switched over from full-turning to reciprocating action by means of a special bracket.

The plant is now putting out types RSh-1 (150 watts) and RSh-2 (300 watts). The RSh-4 is under development. These regulators are simple in design, safe to operate, and permit saving a great quantity of nonferrous metals in the manufacturing process.

Rotor Control Stations

The Elektrosila Plant has begun production of new units for automatizing contact starting of phase-rotor 3-phase induction motors. They are available in five sizes for motors of 600- to 900-ampere rotor rating.

Rotor stations put out by the Elektrosila Plant include: (a) Rotor starting stations of the SNL type for nonregulated induction motors; and (b) starting and regulating rotor control stations of the SGL type for induction motors, the speed of which can be controlled by the insertion of a resistance in the rotor circuit.

Range of Transformer Voltages

The Moscow Transformer Plant will, during 1949, manufacture transformers in all voltages indicated in its 1948 catalogue, with the addition of types NTSI-0.5 and NTMI-10.

Switchboards and Boxes

The Elektroschit Plant of the Ministry of Electric Power Plants has put into production control panels and boxes, independent and wall-type current distribution switchboards, distribution boxes, and also parts for complete consumer-assembly of switchboards and boxes.

Bi-Element Commutators

The Elektroschit Plant has begun output of 200-ampere bi-element commutators. This model, the KED-200, has 12 contacts.

Locks and Switches for Electromagnetic Blocking

These locks and switches are made by the Elektropul't Plant and the Elektroschit Plant, both of the Ministry of Electric Power Plants.

Ammeters, Voltmeters, Phasometers

The Kiev Electrical Measuring Instruments Plant, which is under the Ministry of Electric Power Plants, produces ammeters and voltmeters for ENP electromagnetic switchboards, phasometers for three-phase type F-1 electromagnetic switchboards, Ferranti transformers of the TF type in combination with BTF-3 blinkers, and T-100-5 shielded step-down transformers for local lighting feed having a capacity of 100 volt-amperes and a voltage of 127-220/12-36 volts.

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Lamps

The Minsk Electric Machinery Plant of the Sevozpelektromontazh (Northwest Electric Assembly) Trust is putting out swivel-bracket Alpha lamps and dome lamps. Other lamps for industrial uses will be produced during 1949.

Electrostatic Air Filters

The Gazoochistka (Gas Filter) Trust has worked out and put into the manufacturing stage experimental models of two electrostatic air filters: a continuous-operation model with self-cleaning electrodes, and a model equipped with a periodic regenerator. Series production of the above units is scheduled for the current year (1949).

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